

L Number	Hits	Search Text	DB	Time stamp
1	1439	((524/94) or (524/157) or (524/161) or (524/162) or (524/163) or (524/497)).CCLS.	USPAT; US-PGPUB	2003/09/04 11:20
2	358	((524/94) or (524/157) or (524/161) or (524/162) or (524/163) or (524/497)).CCLS.) and polycarbonate\$	USPAT; US-PGPUB	2003/09/04 11:21

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AN 133:310745 CA

TI Light-reflecting fire-resistant **polycarbonate** compositions and reflective plates therefrom

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SO Jpn. Kokai Tokkyo Koho, 11 pp.

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C08L069-00; C08L083-05; C08L051-00; C08L027-18

CC 38-3 (Plastics Fabrication and Uses)

Section cross-reference(s): 74

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000302959	A2	20001031	JP 1999-67416	19990312
PRAI	JP 1999-40973	A	19990219		
OS	MARPAT 133:310745				

AB The comps., useful for light-reflecting plates for liq. crystal displays,

comprise **polycarbonates** 100, TiO₂ 5-25, organohydrogensiloxanes 0.01-3, epoxy-modified elastomers 0.5-10, fire retardants 1-20, and antidripping agents 0.01-2 parts. Thus, a test piece comprising Calibre 200-13 (bisphenol A **polycarbonate**) 100, RTC 30 (rutile TiO₂) 10, KF 99 (H siloxane) 0.05, Paraloid EXL 2314 (epoxy-modified core/shell acrylic rubber) 2, BC 52 (tetrabromobisphenol A carbonate oligomer) 3,

and

Fluon CD 076 (PTFE) 0.2 part showed light reflectance (Y value) 93, impact

resistance 50 kg-cm/cm, flexural rigidity 25,000 kg/cm², MFR

(300.degree.,

1.2 kg load) 9.6 g/10 min, fire resistance (UL 94) V-0, and good appearance.

ST **polycarbonate** fire resistance light reflecting plate; titania siloxane **polycarbonate** light reflecting plate; epoxy elastomer **polycarbonate** light reflecting plate; antidripping agent **polycarbonate** light reflecting plate; liq crystal display light reflecting **polycarbonate**

IT Fluoropolymers, uses

RL: MOA (Modifier or additive use); USES (Uses)

(antidripping agent; fire-resistant **polycarbonate** comps. for light-reflecting plates)

IT Acrylic rubber

RL: MOA (Modifier or additive use); USES (Uses)

(epoxy-modified, core-shell, Paraloid EXL 2314; fire-resistant **polycarbonate** comps. for light-reflecting plates)

IT Fire-resistant materials

Fireproofing agents

Liquid crystal displays

Optical reflectors

(fire-resistant **polycarbonate** comps. for light-reflecting plates)

IT Polysiloxanes, uses

RL: MOA (Modifier or additive use); USES (Uses)

(fire-resistant **polycarbonate** comps. for light-reflecting

plates)

IT **Polycarbonates**, uses
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT **Polycarbonates**, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (oligomeric, fire retardants; fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT 25067-11-2, Fluon CD 076
 RL: MOA (Modifier or additive use); USES (Uses)
 (antidripping agent; fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT 27815-51-6D, Carbonic acid-tetrabromobisphenol A copolymer, 2,4,6-tribromophenyl-terminated 56262-45-4, BC 52 139189-30-3, ADK Stab FP 500
 RL: MOA (Modifier or additive use); USES (Uses)
 (fire retardant; fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT 9004-73-3, SH 1107 **13463-67-7**, RTC 30, uses 26403-67-8, KF 99 49718-23-2
 RL: MOA (Modifier or additive use); USES (Uses)
 (fire-resistant **polycarbonate** compns. for light-reflecting plates)

IT 24936-68-3, Calibre 200-13, uses 25037-45-0
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (fire-resistant **polycarbonate** compns. for light-reflecting plates)